Definition of a planet

To construct an artificial planet, we must first establish a precise definition of what constitutes a planet. According to Resolution B5 adopted at the XXVI General Assembly of the International Astronomical Union (IAU) in Prague (2006), a planet is defined as a celestial body that:

1. Orbits the Sun,
2. Has sufficient mass for its self-gravity to overcome rigid-body forces, assuming a hydrostatic equilibrium (nearly spherical) shape,
3. Has cleared its orbital neighborhood of other debris.

The existing definition applies only to natural planetary bodies, while an artificial planet differs from the natural planetary body in multiple aspects. These necessitates compel a revision of the current definition.

From August 17, 2025.
License: CC0.